

What is claimed is:

1. A nucleic acid purification method wherein
a nucleic acid capturing tip incorporating the solid
phase containing a nucleic acid capturing agent is used
5 to allow said solid phase to capture a nucleic acid and
to extract the nucleic acid,

said nucleic acid purification method characterized
in that washing solution is fed in the tip containing the
solid phase capturing said nucleic acid unidirectionally
10 from the head to the end.

2. A nucleic acid purification method according to
Claim 1 wherein the flow path leading to said nucleic acid
capturing tip is provided with a branch of a washing
solution flow path where a washing solution is supplied.

15 3. A nucleic acid purification method according to
Claim 1 further characterized in that a special-purpose
flow path is provided to lead a washing solution into said
nucleic acid capturing tip.

20 4. A nucleic acid purification method according to
Claim 1 further characterized in that air is sent into said
flow path.

5. A nucleic acid purification method according to
Claim 1 further characterized in that discharge of washing
solution and feed of air are repeated alternately.

25 6. A nucleic acid purification apparatus wherein a

nucleic acid capturing tip incorporating the solid phase containing a nucleic acid capturing agent is used to allow said solid phase to capture a nucleic acid and to extract the nucleic acid,

5 said nucleic acid purification apparatus characterized in that washing solution is fed in the tip containing the solid phase capturing said nucleic acid unidirectionally from the head to the end.

7. A nucleic acid purification apparatus according
10 to Claim 6 wherein the flow path leading to said nucleic acid capturing tip is provided with a branch for a washing solution flow path and a means to supply washing solution is provided.

8. A nucleic acid purification apparatus according
15 to Claim 6 characterized in that a special-purpose flow path is provided to lead a washing solution into said nucleic acid capturing tip.

9. A nucleic acid purification apparatus according
to Claim 6 characterized in that a means is provided to
20 send air into said flow path.

10. A nucleic acid purification apparatus according
to Claim 6 characterized in that a means is provided to repeat discharge of washing solution and feed of air alternately.

25 11. A nucleic acid purification apparatus wherein a

nucleic acid capturing tip incorporating the solid phase containing a nucleic acid capturing agent is used to allow said solid phase to capture a nucleic acid and to extract the nucleic acid,

5 said nucleic acid purification apparatus comprising;

 (1) a nucleic acid capturing tip incorporating the solid phase containing a nucleic acid capturing agent,

 (2) a liquid suction/discharge movable nozzle in contact with said nucleic acid capturing tip in a removable
10 manner,

 (3) a treatment solution capable of storing a mixture between the substance to promote capturing of nucleic acid by said solid phase and sample containing nucleic acid,

 (4) a means for feeding washing solution into the tip
15 containing the solid phase capturing said nucleic acid unidirectionally from the head to the end,

 (5) a means for supplying eluent to said nucleic acid capturing tip,

 (6) a top removing means for removing said nucleic
20 acid capturing tip from said liquid suction/discharge movable nozzle subsequent to discharge of eluent from said nucleic acid capturing tip to a purified product vessel, and

 (7) a purified product vessel to receive purified
25 nucleic acid products.